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Dairy-Herd-Improvement Letter

ARS-44-97 (Vol. 37, No. 3)

#### **MARCH 1961**

# INCREASED NUMBER OF NATION'S DAIRY COWS BEING BRED ARTIFICIALLY

During 1960, 7,144,679 dairy cows, or 37.0 percent of the cows and heifers that were 2 years old and over kept for milk were bred artificially. This is 212, 385, or 3.1 percent, more cows than those bred artificially in 1959.

Wisconsin continued to lead the States in number of cows bred artificially, with 1, 295, 692 cows bred in 1960. States in which more than 250,000 cows were bred artificially in 1960 are as follows:

State	Number cows bred artificially	State	Number cows bred artificially
Wisconsin New York Minnesota Pennsylvania Ohio	1, 295, 692 638, 371 608, 292 559, 961 376, 626	California Iowa Michigan Illinois	347, 859 337, 243 330, 106 259, 976

In 19 States more than 40 percent of the cows were bred artificially in 1960. They are:

State	Percent	State	Percent
Washington Maine Pennsylvania Connecticut Utah	59. 8 57. 0 56. 7 56. 2 55. 5	Idaho Oregon Michigan New York Rhode Island	49. 7 49. 5 47. 6 45. 8 43. 8
New Jersey Wisconsin New Hampshire Massachusetts Ohio	55. 3 53. 4 53. 1 50. 6 49. 8	Vermont Florida Minnesota Illinois	43. 7 43. 2 43. 2 42. 2

On the following pages are data showing the status of the artificial breeding program for the various States.

Issued May 1961

U.S. DEFT. OF AGRICULTURE
IPRARY
JUN 12 1961
CURRENT SERIAL RECORDS

STATUS OF ARTIFICIAL-BREEDING PROGRAM IN THE UNITED STATES 1939-61

	ers	Fat	Pounds	1 1 1	419 421	428 428 430	433 436 436	459 471 473	475 476 477	477 478 482	3/ 443
lce	Daughters	MIJK	Pounds	1 1 1	10,155	10,488 10,741 10,580	10,576 10,499 10,734	11,009	11,239	11,304	3/ 10,792
s in service		Fat	Pounds 1	1 1 1	387 391	387 401 405	407 412 415	419 422 429	4 4 4 436 438	140 146 151	3/ 437 3/
Proved sires	Dems	M11k	Pounds	1 1 1	9,559	9,629 10,270 10,099	10,161 10,157 10,236	10,267 10,310 10,375	10,483	10,626 10,772 10,918	3/ 10,790
		Total	Number	1 1 1	135	147 209 335	426 514 559	634 688 953	960 883 932	1,07 <sup>4</sup> 1,012 963	3/ 477
đ	Average	per	Number	228 246 299	27 <sup>4</sup> 318 332	495 597 815	982 1,078 1,245	1,605 1,848 1,865	1,937 2,210 2,257	2,284 2,483 2,816	2,808
Cows bred		Total	Number	1/ 7,359 1/ 33,977 1/ 70,751	1/ 112,788 1/ 182,524 1/ 218,070	1/360,732 537,376 1,184,168	1,713,581 2,091,175 2,619,555	3,509,573 4,295,243 4,845,222	5,155,240 5,413,874 5,762,656	6,055,982 6,645,568 6,932,294	7,144,679
		Herds	Number	646 2,971 5,997	12,118 23,448 28,627	43,998 73,293 140,571	224,493 316,177 2/ 409,300	2/ 548,300 2/ 671,100 2/ 755,000	2/ 805,000 2/ 845,900 2/ 900,400	2/ 946,000 2/ 975,372 2/ 930,059	2/815,964
	Average	per	Number	4.50	9.0	10.9	19.2	23.3 24.7 27.1	28.6 31.0	35.3 37.7 38.4	4° 44
s in service		Proved	Pct.	1 1 1	23.5	23.2 23.2	24.4 26.5 26.6	29.0 29.6 36.7	36.1 36.0 36.5	40.5 37.8 39.1	3/18.8
Sires		Total	Number	33 138 237	412 574 657	729 900 1,453	1,745 1,940 2,104	2,187 2,324 2,598	2,661 2,450 2,553	2,651 2,676 2,460	2,544
		Studs	Number	25 35	262	67 78 48	482	855	93 79	77 71 64	262
		Year		1939 1940 1941	1942 1943 1944	1245 1246 1247	1948 1949 1950	1951 1952 1953	1954 1955 1956	1957 1958 1959	1961

Prior to 1946 cows were reported only on the basis of enrollment. नोलोलो

Prior to 1960 proved sires in artificial breeding service included records of both non-AB and AB progeny. In 1960 proved sires in artificial breeding service include records of AB progeny only. Estimated.

STATUS OF ARTIFICIAL-BREEDING PROGRAM (January 1, 1961)

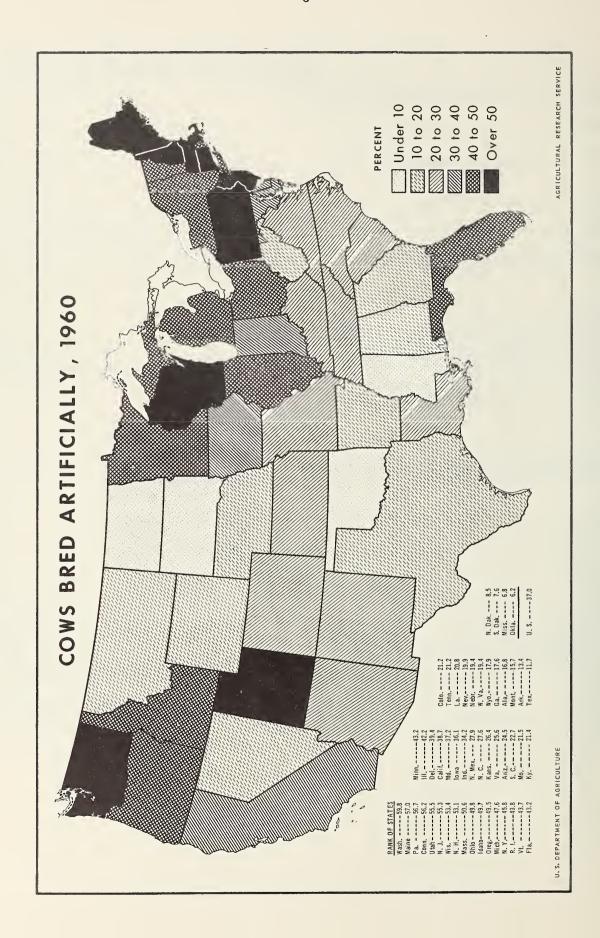
State	Chudu	Herds 1/	Cow	s bred in State during 1960	Milk cows in United States				
State	Studs	nerds 1/	Reg- istered 1/	Total	Total	Bred artificially			
	Number	Number	Number	Number	Thousands	Percent			
Alabama 3/	0	3,100	5,242	43,913	262	16.8			
AlaskaArizona	1	100 400	74 1,970	1,466 12,980	- 53	24.5			
Arkansas	1	4,702	3,329	30,640	229	13.4			
California Colorado	5 1	17,338 3,000	29,931 3,818	347,859 28,652	899 135	38.7 21.2			
Connecticut	1	4,000 810	7,652 2,458	55,621	99	56.2			
Delaware 3/ Florida 3/	ŏ	2,550	11,967	11,423 91,960	29 213	39.4 43.2			
Georgia 3/	0	1,200	4,369	41,026	233	17.6			
Hawaii Idaho <u>3</u> /	0	12,000	407 11,379	6,854 109,861	221	49.7			
Illinois	3	41,176	36,776	259,976	616	42.2			
Indiana Iowa	1 2	3 <sup>4</sup> ,500 70,387	19,668 17,859	161,670 337,243	473 934	34.2 36.1			
Kansas	1	15,949	9,673	97,637	370	26.4			
Kentucky Louisiana	1	32,000 7,360	2,063 6,086	118,933 56,951	555 274	21.4 20.8			
Maine	1	3,500	935	60,439	106	57.0			
Maryland Massachusetts 3/-	0	9,750 3,580	11,321 7,287	86,360 51,563	232 102	37.2 50.6			
Michigan	1	33,000	31,940	330,106	694	47.6			
Minnesota Mississippi	2	78,000 4,500	28,672 971	608,292 27,528	1,407 404	43.2 6.8			
Missouri	1	39,462	13,884	152,120	709	21.5			
Montana 3/ Nebraska	0 1	1,000 14,803	1,218 5,413	12,862 67,185	82 347	15.7 19.4			
Nevada 3/	0 1	117	421	3,581	18	19.9			
New Hampshire New Jersey	2	3,183 3,348	8,369 9, <b>5</b> 9 <b>5</b>	30,779 7 <b>6,</b> 813	58 139	53.1 55.3			
New Mexico 3/ New York	0 1	250 50,000	893 118,280	12,558	45	27.9			
North Carolina	i	18,000	9,552	638,371 82,508	1,393 299	45.8 27.6			
North Dakota 3/ Ohio	0 2	7,016 62,000	665 55,307	24,359 376,626	287	8.5			
Oklahoma 3/	ō	1,685	2,017	16,922	757 275	49.8 6.2			
Oregon	1 5	9,626 54,844	8,597	87,565	177	49.5			
Pennsylvania Puerto Rico	1	997	63,824 150	559,961 18,477	9 <b>8</b> 8 -	56.7 -			
Rhode Island 3/	0	325	969	6,568	15	43.8			
South Carolina South Dakota 3/	0	1,700 1,400	4,360 1,928	27,232 20,823	120 273	22.7 7.6			
Tennessee	3	19,500	6,292	110,615	521	21.2			
Texas Utah	1	4,750 5,868	3,423 3,366	71,611 59,341	610 107	11.7 55.5			
Vermont 3/	0	8,643	16,872	125,857	288	43.7			
Virginia Washington	1	11,000 22,000	16,817 10,299	97,887 156,192	382 261	25.6 59.8			
West Virginia 3/-	0	6,500	2,868	27,329	141	19.4			
Wisconsin Wyoming 3/	6 0	84,413 621	87,282 <b>61</b> 9	1,295,692 5,892	2,426 33	53.4 17.9			

Estimated.
 Agricultural Marketing Service estimate of number of cows and heifers 2 years old and over kept for milk.
 Buys semen from studs in other States.

## ARTIFICIAL-EREEDING ORGANIZATION BULL STUDS, JANUARY 1, 1961

		Nu	mber an	d breed	of b	illa us	ed				Total
State, Name and Location of Studs	Ayr-		Guern-		Jer-						cows bred
	shire		веу	stein	веу	Dane		Short- horn	Beef	Total	1960
					· · · · ·	·		·			
ALASKA											
Matanuska Valley Breeders Association, Palmer	-	-	-	5	-	3	-	-	-	8	1,238
ARIZONA				_						_	=0=
Eads Cattle Breeding Service, 3030 E. Thomas Rd., Phoenix	-	-	-	5	-	-	-	-	-	5	580
ARKANSAS											
Arkansas DairyBreeders Association, Fayetteville			6	10	6			3	4	29	10,168
Alkanese Daily Dieedele Association, Tayout Villo	_		Ŭ	10	Ū	_	_	,	**	27	10,100
CALIFORNIA											
Adohr Farms Inseminating Service, Route 1, Box 118, Camarillo	_	-	11,	13	-	_	_	_	_	24	8,992
California Dairy Breeders, Inc., P.O. Box 188, Davis	-	-	8	11	7	-	-	-	4	30	49,363
Excelsior Art. Breeding Service, 7401 Adams St., Corona	-	-	2	7	-	-	-	-	-	9	15,756
Pacific Breeders Co-op., Inc., Petaluma	-	-	5	8	6	-	-	-	1	20	21,469
Jessup Breeders, 11638 E. Artesia Blvd., Artesia		4	13	24	7	-	-	1	2	51	84,415
Total	-	4	<b>3</b> 9	63	20	-	-	1	7	134	179,995
OLORADO				_				_	_		
Colorado State University ABS, Fort Collins	-	-	1	3	1	-	-	1	8	14	13,956
AVANCANTANT											
ONNECTICUT	. 6	_	2.1.								101 0/0
New England Selective Breeding Assn., Inc., Woodbridge	0	2	14	22	13	-	-	-	-	57	121,968
ALIATT											
AWAII Haleakala Dairy Farm ABA		-	_	2						2	1,206
natearata Dairy Farm Aca	-	-	-	~	-	-	-	-	-	~	1,200
LLINOTS											
Curtiss Breeding Service, Inc., Cary	. 7	13	31	68	15	<u> </u>	_	8	44	186	704,725
Northern Illinois Bresding Co-op., Route 1, Hampshire		9	12	30		_	_	3	1	55	104,938
Southern Illinois Bresding Association, Breese		á	7	16	6	_	_	3	10	45	70,030
Total	7	25	50	114	21		-	14	55	286	879,693
		-,	,-								-12,-23
IDIANA											
John A. Newman & Sons, Route 2, Culver	-	_	-	8	-	-	-	-	-	8	1,130
DWA											
Eastern Iowa ABA, Box 1751, Cedar Rapids	. 3	6	9	20	3	-	-	4	18	63	181,123
Iowa Breeders Co-op., Cornell & Hoffman Rd., Des Moines 13		-		30	3			-	12	45	100,388
Total	3	6	9	50	6	-	-	4	30	108	281,511
INSAS		_	,		_					1.1.	50 (00
Kansas ABS Unit, Kansas State University, Manhattan	. 4	6	6	15	5	-	-	4	4	ИH	50,600
ENTUCKY		_	7		Ω				7	28	100 015
Kentucky Art. Breeding Assn., 640 Herr Lane, Louisville 7	-	5	7	11	8	-	-	-	7	38	102,015
DETECT A STA											
OUISIANA			-	10	9				3	27	54,020
Louisiana ABA Inc., Box 8907 Louisiana State Univ., Baton Rouge 3-	-	-	5	10	9	•	•	_	2	-1	74,020
T T STORY											
AINE	. 3	1	13	12	8		_	Jı	2	43	55,826
Maine Breeding Cooperative, Inc., Route 1, Augusta	3	-	13	12	·	-	_	-	_	73	)),020
ARYIAND											
Maryland Artificial Breeding Cooperative, Inc., College Park	. 6	4	11	12	6	_	_	-	_	39	96,421
had justicial incoming occipients, mee, corresponding	_			_	•					3/	, , ,
CHICAN											
Michigan ABC Inc., Box 511, Michigan State University, E.Lansing-	. 3	5	17	39	9	4	-	6	16	99	248,130
,,,,,,,, .				-							
INNESOTA											
Consolidated Breeders Cooperative, Inc., Anoka	-	5	8	24	5	-	-	5	11	58	228,073
Minnesota Valley Breeders Association, New Prague	3	3	10	30	6	-	-	3	11	66	307,675
Total	3	8	18	54	-11	-	-	8	22	124	535,748
SSISSIPPI			-	-						00	00 1:53
Mississippi ABC, Box 354, State College	-	-	6	6	13	-	-	-	4	29	20,451
Tupelo Breeding Service (discontinued)			-			<u> </u>			- 14	- 20	21 621
Total	-	-	6	6	13	-	-	-	4	29	21,021
TORANDE											
ISSOURI		4	16	15	18			6	18	77	78,928
M.F.A. Dairy Breeders, P.O. Box 591, Springfield	-	4	10	7.7	10	-	-	J	10	11	10,920

	Number and breed of bulls used										Total
tate, Name and Location of Studs	Ayr-			Hol-	Jer-		Red	Short-		m-4.3	cows br
	shire	Swiss	веу	stein	веу	Dane	Poll	horn	Beef	Total	1960
EERASKA											
Nebraska Dairy Breeders Association, Fremont	-	4	6	13	1	-	-	6	14	1616	40,602
W HAMPSHIRE	1		9	15	12				4	42	64,130
New Hampshire-Vermont Breeding Association, Box 350, Concord	_	-	9	17	13	-	-	-	4	42	04,130
W JERSEY											
New Jersey Cooperative Breeders Association, Inc., Annandale	-	3	n	20	5	-	-	-	4	43	40,010
Sussex County Cooperative Breeding Association, Sussex Total			- <u>5</u>	15 35	-					63	13,524
10081	_	3	10	37	,	_	•	-	4	03	53,534
EW YORK											
New York ABC, Inc., Route 2, Box 528, Ithaca	12	11	18	- 58	15	-	-	-	9	123	522,711
DITE CAROL THA											
NOTH CAROLINA North Carolina Institutional Breeding Program, Raleigh	_	_	_	13	_	_	_	_	3	16	1,000
102.00 000.00000 000.0000000000000000000				-3					,		1,000
IIO		,									
Central Ohio Breeding Assn., 1224 Alton-Darby Rd., Columbus 4	6	6	23	29	15	-	4	3	-	86	236,232
Northern Ohio Breeding Assn., Route 4, Tiffin Total	-6	-	18 41	29 58	18		- <u>-</u>	-	15	80 166	206,414 442,640
10001	٠	·	71	,,	33	_		3	1)	100	442,040
CEGON CEGON											
Oregon Dairy Breeders Association, Box 48, Corvallis	-	-	9	9	10	-	-	-	9	37	53,07
ennsylvania											
First Pennsylvania Artificial Breeding Cooperative, Lewisburg	_	_	12	14	_	_	_	_	8	34	57,62
Lehigh Valley Farmers Assn., 1000-1160 N. 7th St., Allentown	4	2	7	15	3	_	-	-	6	37	34,069
NEPA Artificial Breeding Co-op., P.O. Box 26, Tunkhannock	5	-	10	16	8	-	-	-	-	39	106,80
Southeastern Pennsylvania ABC, Box 254, Lancaster	3	1	9	12	4	-	-	-	4	33	144,203
Western Pennsylvania ABC, Box 550, Clarion Total	17	- 8 -	10	14 71	10	<del>-</del>	<u> </u>	<del></del>	9 27	53 196	140,672 483,372
10001	±1	Ū	40	1-	رء	_	_	_	-1	150	403,312
JERTO RICO											
Puerto Rico Artificial Breeding Assn., Box 61, Bayamon	-	7	-	15	-	-	-	-	-	22	18,392
OUTH CAROLINA											
Chester Cooperative Breeding Assn., Chester	-	-	6	-	-	-	-	-	-	6	1,79
											,
NNESSEE	_		-	-	,						om 1.1.0
East Tennessee ABA, Route 14, Knoxville	2	4	5 6	7 6	6 8		_	2	3	23 30	37,448 37,76
West Tennessee Artificial Breeding Association, Yorkville	-	-	-	8	8	_	_	-	6	22	12,33
Total	2	4	11	21	22	-	-	2	13	75	87,54
XAS											
Texas A & M College, Dairy Breeding Center, College Station	_	_	_	2	3	_	_	_	4	9	652
Town it will boulede, board moraling boards, boards boards				-	,				•	. ,	0).
PAH .											
Cache Valley Breeding Association, Logan	2	2	3	13	4	-	-	2	6	32	84,956
RGINIA											
Virginia ABA, Inc., Route 4, Rocky Mount	-	-	7	11	5	-	_	-	5	28	66,21
			•								,
SHINGTON	_	_	-1.					1.		-0	206 006
Evergreen Northwest Breeders, Inc., Box 197, Burlington	3	3	14	15	10	-	-	4	9	58	126,938
SCONSIN											
American Breeders Service, Madison	1	4	13	55	14	-	6	2	17	112	1,357,879
Associated Breeding Service, Inc., Lena	-	-	4	9	-	-	-	-	3	16	22,039
D. J	-	6 4	20 5	24 23	5	-	-	•	6	61 38	382,042
Badger Breeders Cooperative, Shawano	-	2	8	40	7	:		1	-	60	84,891 116,799
East Central Breeders Assn., Coop., 314 Beaver Dam St., Waupun	2		_			_		-	-1		
East Central Breeders Assn., Coop., 314 Beaver Dam St., Waupun Piper Bros. Farms, Inc., Watertown	2	6	26	50	7	-	-	8	14	111	399.32
Badger Breeders Cooperative, Shawano	3		26 76	50 201	<u>7</u> 33	<del></del> -	-6	11	14 46	398	399,32
East Central Breeders Assn., Coop., 314 Beaver Dam St., Waupun Priper Bros. Farms, Inc., Watertown	3	6			33	÷	6	11			



## OFFICIALS IN CHARGE OF DAIRY BREEDING ORGANIZATIONS IN THE STATES

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Growth Through Agricultural Progress